

United States Department of Agriculture  
Grain Inspection, Packers and Stockyards Administration  
Federal Grain Inspection Service

## Program Notice

FGIS-PN-96-6 11/06/96

### HPLC TESTING FOR AFLATOXIN

#### 1. PURPOSE

This program notice announces the availability of the High Pressure Liquid Chromatography (HPLC) method for aflatoxin Board appeal inspections.

#### 2. BACKGROUND

The Federal Grain Inspection Service (FGIS) has adopted the HPLC method as the standard reference method for mycotoxin testing. This method is widely recognized as a standard method for the quantitative determination of mycotoxin by the scientific community.

FGIS currently offers the HPLC testing for the determination of vomitoxin for Board appeal inspections and will extend this testing service to include aflatoxin analysis.

#### 3. TESTING SERVICE

HPLC aflatoxin determination is limited to Board appeal inspections. Testing is performed by the Analytical, Reference, and Testing Services (ARTS) Branch of the Technical Services Division (TSD) in Kansas City, Missouri. Applicants for service must specify the HPLC method as the desired testing method. Otherwise, the Board appeal inspection will be conducted using the FGIS approved enzyme-linked immunosorbent assay (ELISA) test kits.

#### 4. MAILING INSTRUCTIONS

When sending samples for HPLC aflatoxin determination, write the words "HPLC AFLATOXIN BOARD APPEAL" in the remarks section of the grain sample ticket and on the back of the mailing tag. Address the mailing tag to the **Board of Appeals and Review**.

5. CERTIFICATION

Report results for HPLC aflatoxin to the nearest tenth parts per billion (ppb) on the certificate using the following statement:

"Aflatoxin (record actual results) ppb. Results based on High Pressure Liquid Chromatography Method."

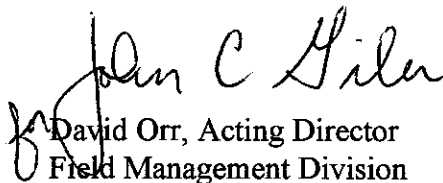
6. FEES

The fee assessed for this test is calculated by multiplying the applicable USGSA noncontract hourly fee by the total number of hours (3.75) required to perform the testing.

The field office forwarding the sample for testing is responsible for certification and billing.

7. QUESTIONS

Direct technical questions regarding the testing procedures to the ARTS Branch of TSD at (816) 891-0469. Direct other questions to the Standards and Procedures Branch at (202) 720-0252.

  
David Orr, Acting Director  
Field Management Division